

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/03788

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F41A19/21

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F41A

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 545 143 A (SCHULTZ MITCHELL D) 8 October 1985 (1985-10-08) abstract; figures	1-14
A	US 4 403 436 A (JENNIE FRED) 13 September 1983 (1983-09-13) abstract; figures	1-14
A	US 3 193 961 A (DOMENICO LINARCLLO) 13 July 1965 (1965-07-13) abstract; figures	1-14
A	EP 0 277 922 A (BERETTA ARMI SPA) 10 August 1988 (1988-08-10) abstract; figures	1-14



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

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\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*Z\* document member of the same patent family

Date of the actual completion of the international search

5 August 2002

Date of mailing of the international search report

20/08/2002

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			JP 5077960 B	27-10-1993
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			AT 69873 T	15-12-1991
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			ES 2029074 T3	16-07-1992
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			JP 2694273 B2	24-12-1997
			JP 63201500 A	19-08-1988
			US 4811509 A	14-03-1989